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August 18, 2003

Hae-Chan Park

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

RE:

Application No. 10/087,741

Filed: March 5, 2002

METHOD FOR FABRICATING A FIELD EMISSION DISPLAY WITH

Sir:

BASED EMITTER
Inventor: Sang-Hyuck AHN, et al.
Our Ref: 6161.0013.AA

The following documents are forwarded herewith for appropriate action by the U.S. and Trademark Office: Patent and Trademark Office:

·1. A Transmittal Letter;

- 2. An Information Disclosure Statement;
- 3. A 1449 Form along with a copy of the cited references; and
- 4. Two acknowledgement postcards.

It is respectfully requested that the attached copy of the postcard be stamped with the filing date of these documents and returned to our courier.

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 23-1951 referencing docket number 6161.0013.AA.

Respectfully submitted,

Reg. No. 50,114

HCP/tmk Enclosures

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Sang-Hyuck AHN, et al.

Appl. No. 10/087,741

Filed: March 5, 2002

METHOD FOR FABRICATING A For:

> FIELD EMISSION DISPLAY WITH CARBON-BASED

EMITTER

Art Unit: **TBD**

Examiner:

TBD

Atty. Docket:

6161.0013.AA

Information Disclosure Statement

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

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adria, VA 22313-1450

Listed on accompanying Form PTO-1449 are documents that may be considered material to the examination of this application, in compliance with the duty of disclosure requirements of 37 C.F.R. §§ 1.56, 1.97 and 1.98.

Where the publication date of a listed document does not provide a month of publication, the year of publication of the listed document is sufficiently earlier than the effective U.S. filing date and any foreign priority date so that the month of publication is not in issue. Applicants have listed publication dates on the attached PTO-1449 based on information presently available to the undersigned. However, the listed publication dates should not be construed as an admission that the information was actually published on the date indicated.

Applicants reserve the right to establish the patentability of the claimed invention over any of the information provided herewith, and/or to prove that this information may not be prior art, and/or to prove that this information may not be enabling for the teachings purportedly offered.

This statement should not be construed as a representation that a search has been made, or that information more material to the examination of the present patent application does not exist. The Examiner is specifically requested not to rely solely on the material submitted herewith. It is further understood that the Examiner will consider information that had been cited by or submitted to the U.S. Patent and Trademark Office in a prior application relied on under 35 U.S.C. §120. 1138 OG 37, 38 (May 19, 1992).

Applicants have checked the appropriate boxes below.

- 1. This Information Disclosure Statement is being filed within three months of the U.S. filing date OR before the mailing date of a first Office Action on the merits OR before the mailing date of a first Office Action after the filing of a request for continued examination under 37 C.F.R. §1.114. No certification or fee is required.
- This Information Disclosure Statement is being filed more than three months after the \square 2. U.S. filing date AND after the mailing date of the first Office Action on the merits, but before the mailing date of a Final Rejection or Notice of Allowance.
 - I hereby certify that each item of information contained in this Information □ a. Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - I hereby certify that no item of information in this Information Disclosure □ b. Statement was cited in a communication from a foreign patent office in a

• .. .

counterpart foreign application or, to my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(2).

- □ c. Attached is our Check No. _____ in the amount of \$ ____ in payment of the fee under 37 C.F.R. § 1.17(p).
- □ 3. This Information Disclosure Statement is being filed more than three months after the U.S. filing date and after the mailing date of a Final Rejection or Notice of Allowance, but before payment of the Issue Fee. It is hereby requested that the Information Disclosure Statement be considered. Attached is our Check No.

 _____ in the amount of \$ _____ in payment of the fee under 37 C.F.R. § 1.17(i)(1).
 - □ a. I hereby certify that each item of information contained in this Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement. 37 C.F.R. § 1.97(e)(1).
 - □ b. I hereby certify that no item of information in this Information Disclosure

 Statement was cited in a communication from a foreign patent office in a
 counterpart foreign application or, to my knowledge after making
 reasonable inquiry, was known to any individual designated in 37 C.F.R.

 § 1.56(c) more than three months prior to the filing of this Information
 Disclosure Statement. 37 C.F.R. § 1.97(e)(2).
- □ 4. Relevance of the non-English language document(s) is discussed in the present specification.
- □ 5. The document(s) was/were cited in a corresponding foreign application. An English language version of the foreign search report is attached for the Examiner's information.

KP 2000-0074609 is directed to a field emission array using a diamond like carbon nanotube that has low work function, which allows to operate the device at a lower voltage level. The carbon nanotube array is formed by pressing or screen printing the paste mixture of carbon nanotube materials.

KP1999-0084341 is directed to a field emitter using a diamond like carbon nanotube that can emit electrons even at a low voltage level. The invention discloses an emitter electrode formed on a lower glass substrate on top of a stacked structure of an insulating layer and a gate

□ 7.	The Examiner's attention is directed to co-pending U.S. Patent Application No								
	, filed, which is directed to related technical subject matter								
The identification of this U.S. Patent Application is not to be construct									
	waiver of secrecy as to that application now or upon issuance of the presen								
	application as a patent. The Examiner is respectfully requested to consider the								
	cited application and the art cited therein during examination.								
□ 8.	Copies of the documents were cited by or submitted to the Office in Application No								
	, filed, which is relied upon for an earlier filing date unde								
	35 U.S.C. § 120. Thus, copies of these documents are not attached. 37 C.F.R								
	§ 1.98(d).								

It is respectfully requested that the Examiner initial and return a copy of the enclosed PTO-1449, and to indicate in the official file wrapper of this patent application that the documents have been considered.

5 - Applicant(s): Sang-Hyuck AHN, et al Appl. No. 10/087,741

The U.S. Patent and Trademark Office is hereby authorized to charge any fee deficiency, or credit any overpayment, to our Deposit Account No. 23-1951.

Respectfully submitted,

Hae-Chan Park Reg. No. 50,114

Date: August 18, 2003

McGuire Woods LLP 1750 Tysons Boulevard Suite 1800 McLean, VA 22102-4215 Telephone No. 703-712-5365 Facsimile No. 703-712-5280

Form PTO-1449 (Modified)					y Docket No.:	Serial No.: 10/087,741			
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT				Applicant: Sang-Hyuck AHN, et al.					
(Use several sheets if necessary) Page 1 of 1					Date: 5, 2002	Group: TBD			
REFERENCE DES	SIGN	ATION	U.S. P.	ATENT	DOCUMENTS				
EXAMINERS DIFFAS			DATE		NAME	CLASS	SUBCLASS	FILING DATE (IF APPRO.)	
AUS 1 8 2010									
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	ī	DOCUMENT NUMBER	DAT	E	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
		1002787810000	October 23	3, 2000	KOREA	H01J	17/48	Abstract	
		1020000074609	December 1	15, 2000	KOREA	H01J	31/15	Abstract	
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		OTHER AR	T (Including	Author,	Title, Date, Pertinent Pa	ages, etc.)	LECHWOLDG)		
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